

In the informal Sequence Listing (amended May 27, 1998), please renumber the introduced sequence identification numbers beginning at 100. Thus, the sequence identification numbers are amended as follows:

"SEQ ID NO:97" is replaced by --SEQ ID NO:100--;  
"SEQ ID NO:98" is replaced by --SEQ ID NO:101--;  
"SEQ ID NO:99" is replaced by --SEQ ID NO:102--;  
"SEQ ID NO:100" is replaced by --SEQ ID NO:103--;  
"SEQ ID NO:101" is replaced by --SEQ ID NO:104--;  
"SEQ ID NO:102" is replaced by --SEQ ID NO:105--;  
"SEQ ID NO:103" is replaced by --SEQ ID NO:106--;  
"SEQ ID NO:104" is replaced by --SEQ ID NO:107--;  
"SEQ ID NO:105" is replaced by --SEQ ID NO:108--;  
"SEQ ID NO:106" is replaced by --SEQ ID NO:109--;  
"SEQ ID NO:107" is replaced by --SEQ ID NO:110--;  
"SEQ ID NO:108" is replaced by --SEQ ID NO:111--.

Please cancel the present "SEQUENCE LISTING", submitted May 27, 1998, pages 1 to 48, and insert therefore the accompanying paper copy of the formal Substitute Sequence Listing, page numbers 1 to 57, at the end of the application.

IN THE CLAIMS:

Please delete claim 110. Please amend claims 46-109 as follows:

- sub  
E5  
C2
46. The method of claim 5, wherein the *ADC* nucleic acid is SEQ ID NO:3[96].
  47. The method of claim 5, wherein the *ADC* nucleic acid is SEQ ID NO:100[97].
  48. The method of claim 5, wherein the *ADC* nucleic acid is SEQ ID NO:101[98].
  49. The method of claim 5, wherein the *ADC* nucleic acid is SEQ ID NO:102[99].

50 The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:103[100].

51. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:104[101].

52. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:105[102].

53. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:106[103].

54. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:107[104].

55. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:108[105].

56. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:109[106].

57. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:110[107].

58. The method of claim 5, wherein the *ADC* nucleic acid is  
SEQ ID NO:111[108].

59. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:3[96].

60. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:100[97].

61. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:101[98].

62. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:102[99].

63. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:103[100].

64. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:104[101].

525  
63  
524

C2  
Cm

65. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:105[102].

66. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:106[103].

67. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:107[104].

68. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:108[105].

69. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:109[106].

70. The method of claim 14, wherein the *ADC* nucleic acid is SEQ ID  
NO:110[107].

71. The method of claim 14, wherein the *ADC* nucleic acid is  
SEQ ID NO:111[108].

~~72. The seed of claim 26, wherein the *ADC* nucleic acid is SEQ ID  
NO:3[96].~~

73. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:100[97].

74. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:101[98].

75. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:102[99].

76. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:103[100].

77. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:104[101].

78. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:105[102].

79. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:106[103].

545  
26  
CZ  
CMX

80. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:107[104].

81. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:108[105].

82. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:109[106].

83. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:110[107].

84. The seed of claim 26, wherein the *ADC* nucleic acid is  
SEQ ID NO:111[108].

85. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:3[96].

86. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:100[97].

87. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:101[98].

88. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:102[99].

89. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:103[100].

90. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:104[101].

91. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:105[102].

92. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:106[103].

93. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:107[104].

94. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:108[105].

sub  
El.  
cont  
C2

95. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:109[106].

96. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:110[107].

97. The transgenic plant of claim 36, wherein the *ADC* nucleic acid is  
SEQ ID NO:111[108].

98. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:100[96].

99. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:101[97].

100. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:102[98].

101. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:103[99].

102. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:104[100].

103. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:105[101].

104. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:106[102].

105. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:107[103].

106. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:108[104].

107. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:109[105].

108. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:110[106].

109. The isolated nucleic acid of claim 41, wherein the *ADC* nucleic acid is  
SEQ ID NO:111[107].

Sub  
E6  
cont

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cont